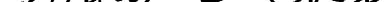


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Filing Date	01/14/2004														
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Examiner Name	To be assigned Chen														
Sheet	1	of	16	Attorney Docket Number	56029/45752										

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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				Application Number	10/757,832
				Filing Date	01/14/2004
				First Named Inventor	Virgin, Herbert W.
				Group Art Unit	1815 1648
				Examiner Name	To be assigned Chen
Sheet	2	of	16	Attorney Docket Number	56029/45752

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T ²
SB	01	GLASS, R.I. et al. The Epidemiology of Enteric Caliciviruses from Humans: A Reassessment Using New Diagnostics. The Journal of Infectious Diseases 181 Suppl 2, S254-S261 (2000).		
	02	KAPIKIAN, A.Z. et al. Fields Virology. Fields, B.N. et al. (eds), 783-810 (1996).		
	03	PANG, X.L. et al. Human Calicivirus-Associated Sporadic Gastroenteritis in Finnish Children Less Than Two Years of Age Followed Prospectively During a Rotavirus Vaccine Trial. Pediatr. Infect. Dis. J. 18, 420-426 (1999).		
	04	PANG, X.L. et al. Human Caliciviruses in Acute Gastroenteritis of Young Children in the Community. The Journal of Infectious Diseases 181 Suppl 2, S288-S294 (2000).		
	05	KAPIKIAN, A.Z. et al. Visualization by Immune Electron Microscopy of a 27-nm Particle Associated with Acute Infectious Nonbacterial Gastroenteritis. Journal of Virology 10, 1075-1081 (1972).		
	06	JIANG, X. et al. Norwalk Virus Genome Cloning and Characterization. Science 250, 1580-1583 (1990).		
	07	JIANG, X. et al. Sequence and Genomic Organization of Norwalk Virus. Virology 195, 51-61 (1993).		
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	09	MAYO, M.A., Virus Taxonomy. Archives of Virology 147, 1071-1076 (2002).		
	10	FANKHAUSER, R.L. et al. Molecular Epidemiology of "Norwalk-like Viruses" in Outbreaks of Gastroenteritis in the United States. The Journal of Infectious Diseases 178, 1571-1578 (1998).		
↓	11	HEDLUND, K.O. et al. Epidemiology of Calicivirus Infections in Sweden, 1994-1998. The Journal of Infectious Diseases 181 Suppl 2, S275-S280 (2000).		

Examiner Signature	Stacy B. Chen	Date Considered	11/14/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/757,832
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				First Named Inventor	Virgin, Herbert W.
				Group Art Unit	1615 1648
				Examiner Name	To be assigned Chen
Sheet	3	of	16	Attorney Docket Number	56029/45752

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SBC	12	KOOPMANS, M. et al. Molecular Epidemiology of Human Enteric Caliciviruses in The Netherlands. <i>The Journal of Infectious Diseases</i> 181 Suppl 2, S262-S269 (2000).		T ²
	13	INOUE, S. et al. Surveillance of Viral Gastroenteritis in Japan: Pediatric Cases and Outbreak Incidents. <i>The Journal of Infectious Diseases</i> 181 Suppl 2, S270-S274 (2000).		
	14	TREANOR, J. et al. Principles and Practice of Infectious Diseases. Mandell, G.L. et al. (eds.), 1666-1672 (Churchill Livingston, New York, 1995).		
	15	OKHUYSEN, P.C. et al. Viral Shedding and Fecal IgA Response After Norwalk Virus Infection. <i>The Journal of Infectious Diseases</i> 171, 566-569 (1995).		
	16	McCARTHY, M. et al. Norwalk-like Virus Infection in Military Forces: Epidemic Potential, Sporadic Disease, and the Future Direction of Prevention and Control Efforts. <i>The Journal of Infectious Diseases</i> 181 Suppl 2, S387-S391 (2000).		
	17	LOPMAN, B.A. et al. Human Caliciviruses in Europe. <i>Journal of Clinical Virology</i> 24, 137-160 (2002).		
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	19	PRINGLE, C.R. Virus Taxonomy – 1999. The Universal System of Virus Taxonomy, Updated to Include the New Proposals Ratified by the International Committee on Taxonomy of Viruses During 1998. <i>Archives of Virology</i> 144, 421-429 (1999).		
	20	GREEN, K.Y. et al. Taxonomy of the Caliciviruses. <i>The Journal of Infectious Diseases</i> 181 Suppl 2, S322-S330 (2000).		
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↓	22	CLARKE and LAMBDEN. The Molecular Biology of Caliciviruses. <i>Journal of General Virology</i> 78 (Pt 2), 291-301 (1997).		

Examiner Signature	<i>Darcy B. Chen</i>	Date Considered	11/14/05
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				Filing Date	01/14/2004
				First Named Inventor	Virgin, Herbert W.
				Group Art Unit	1615
				Examiner Name	To be assigned
Sheet	4	of	16	Attorney Docket Number	56029/45752

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	23	ANDO, T. et al. Genetic Classification of "Norwalk-like Viruses". The Journal of Infectious Diseases 181 Suppl 2, S336-S348 (2000).		
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	33	THIEL and KONIG. Caliciruses: An Overview. Veterinary Microbiology 69, 55-62 (1999).		

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Sheet		5	of	16	Attorney Docket Number
					10/757,832
					01/14/2004
					Virgin, Herbert W.
					1615
					To be assigned
					56029/45752

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS				
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	34	SOSNOVTSEV and GREEN. RNA Transcripts Derived from a Cloned Full-Length Copy of the Feline Calicivirus Genome Do Not Require VpG for Infectivity. <i>Virology</i> 210, 383-390 (1995).		
	35	BURROUGHS and BROWN. Presence of a Covalently Linked Protein on Calicivirus RNA. <i>Journal of General Virology</i> 41, 443-446 (1978).		
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	38	RACANIELLO, V.R. <i>Fields Virology</i> . Fields, B.N. et al. (eds.), 685-722 (2001).		
	39	CLARKE and LAMBDEN. Polyprotein Processing in Southampton Virus: Identification of 3C-like Protease Cleavage Sites by In Vitro Mutagenesis. <i>Journal of Virology</i> 70, 2605-2610 (1996).		
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	43	SOSNOVTSEV, S.V., et al. Cleavage of the Feline Calicivirus Capsid Precursor Is Mediated by a Virus-Encoded Proteinase. <i>Journal of Virology</i> 72, 3051-3059 (1998).		
	44	SOSNOVTSEVA, S.A. et al. Mapping of the Feline Calicivirus Proteinase Responsible for Autocatalytic Processing of the Nonstructural Polyprotein and Identification of a Stable Proteinase-Polymerase Precursor Protein. <i>Journal of Virology</i> 73, 6626-6633 (1999).		

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				Group Art Unit	1615
				Examiner Name	To be assigned
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	45	ALONSO, J.M.M. et al. Processing of Rabbit Hemorrhagic Disease Virus Polyprotein. <i>Journal of Virology</i> 70, 1261-1265 (1996).			T ²
	46	WIRBLICH, C. et al., Genetic Map of the Calicivirus Rabbit Hemorrhagic Disease Virus as Deduced from In Vitro Translation Studies. <i>Journal of Virology</i> 70, 7974-7983 (1996).			
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	48	JOUBERT, P. et al. Identification of a New Cleavage Site of the 3C-like Protease of Rabbit Haemorrhagic Disease Virus. <i>Journal of General Virology</i> 81, 481-488 (2000).			
	49	MEYERS, G. et al. Rabbit Hemorrhagic Disease Virus: Genome Organization and Polyprotein Processing of a Calicivirus Studied After Transient Expression of cDNA Constructs. <i>Virology</i> 276, 349-363 (2000).			
	50	SOMEYA, Y. et al. Identification of Active-Site Amino Acid Residues in the Chiba Virus 3C-like Protease. <i>Journal of Virology</i> 76, 5949-5958 (2002).			
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	52	PFISTER and WIMMER. Polypeptide p41 of a Norwalk-like Virus Is a Nucleic Acid-Independent Nucleoside Triphosphatase. <i>Journal of Virology</i> 75, 1611-1619 (2001).			
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	54	CAUCHI, M.R. et al. Molecular Characterization of Camberwell Virus and Sequence Variation in ORF3 of Small Round-Structured (Norwalk-like) Viruses. <i>Journal of Medical Virology</i> 49, 70-76 (1996).			
	55	SEAH, E.L. et al. Variation in ORF3 of Genogroup 2 Norwalk-like Viruses. <i>Archives of Virology</i> 144, 1007-1014 (1999).			

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	56	SOSNOVTSEV and GREEN. Identification and Genomic Mapping of the ORF3 and VPg Proteins in Feline Calicivirus Virions. Virology 277, 193-203 (2000).		
	57	NEILL, J.D. Nucleotide Sequence of the Capsid Protein Gene of Two Serotypes of San Miguel Sea Lion Virus: Identification of Conserved and Non-Conserved Amino Acid Sequences Among Calicivirus Capsid Proteins. Virus Research 24, 211-221 (1992).		
	58	ATMAR and ESTES. Diagnosis of Noncultivable Gastroenteritis Viruses, the Human Caliciviruses. Clinical Microbiology Reviews 14, 15-37 (2001).		
	59	FLYNN and SAIF. Serial Propagation of Porcine Enteric Calicivirus-like Virus in Primary Porcine Kidney Cell Cultures. Journal of Clinical Microbiology 26, 206-212 (1988).		
	60	SMITH, A.W. et al. Caliciviruses of Ocean Origin: A Review. Journal of Zoo and Wildlife Medicine 21(1), 3-23 (1990).		
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	62	STUDDERT and O'SHEA. Ultrastructural Studies of the Development of Feline Calicivirus in a Feline Embryo Cell Line. Archives of Virology 48, 317-325 (1975).		
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	66	KREUTZ and SEAL. The Pathway of Feline Calicivirus Entry. Virus Research 35, 63-70 (1995).		

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(use as many sheets as necessary)				Filing Date	01/14/2004
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				Group Art Unit	1615
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	67	KONIG, M. et al. Detection of Viral Proteins After Infection of Cultured Hepatocytes with Rabbit Hemorrhagic Disease Virus. Journal of Virology 72, 4492-4497 (1998).			T ²
	68	JIANG, X. et al. Baculovirus Expression and Antigenic Characterization of the Capsid Proteins of Three Norwalk-like Viruses. Archives of Virology 147, 119-130 (2002).			
	69	GREEN, K.Y. et al. Comparison of the Reactivities of Baculovirus-Expressed Recombinant Norwalk Virus Capsid Antigen with Those of the Native Norwalk Virus Antigen in Serologic Assays and Some Epidemiologic Observations. Journal of Clinical Microbiology 31, 2185-2191 (1993).			
	70	HARDY, M.E. et al. Specific Proteolytic Cleavage of Recombinant Norwalk Virus Capsid Protein. Journal of Virology 69, 1693-1698 (1995).			
	71	PELOSI, E. et al. The Seroepidemiology of Genogroup 1 and Genogroup 2 Norwalk-like Viruses in Italy. Journal of Medical Virology 58, 93-99 (1999).			
	72	JIANG, X. et al. Expression and Characterization of Sapporo-like Human Calicivirus Capsid Proteins in Baculovirus. Journal of Virological Methods 78, 81-91 (1999).			
	73	GEISSLER, K. et al. Feline Calicivirus Capsid Protein Expression and Capsid Assembly in Cultured Feline Cells. Journal of Virology 73, 834-838 (1999).			
	74	LAURENT, S. et al. Recombinant Rabbit Hemorrhagic Disease Virus Capsid Protein Expressed In Baculovirus Self-Assemblies into Viruslike Particles and Induces Protection. Journal of Virology 68, 6794-6798 (1994).			
	75	PRASAD, B.V. et al. Structural Studies of Recombinant Norwalk Capsids. The Journal of Infectious Diseases 181 Suppl 2, S317-S321 (2000).			
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				Application Number	10/757,832
				Filing Date	01/14/2004
				First Named Inventor	Virgin, Herbert W.
				Group Art Unit	1615
				Examiner Name	To be assigned
Sheet	9	of	16	Attorney Docket Number	56029/45752

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
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	78	PRASAD, B.V. et al. X-ray Crystallographic Structure of the Norwalk Virus Capsid. <i>Science</i> 286, 287-290 (1999).			T ²
	79	WHITE, L.J. et al. Attachment and Entry of Recombinant Norwalk Virus Capsids to Cultured Human and Animal Cell Lines. <i>Journal of Virology</i> 70, 6589-6597 (1996).			
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	83	TANIGUCHI, K. et al. Further Studies of 35-40-NM Virus-like Particles Associated With Outbreaks of Acute Gastroenteritis. <i>Journal of Medical Microbiology</i> 14, 107-118 (1981).			
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	89	PEDERSEN, N.C. et al. An Isolated Epizootic of Hemorrhagic-like Fever in Cats Caused by a Novel and Highly Virulent Strain of Feline Calicivirus. Veterinary Microbiology 73, 281-300 (2000).			
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	100	BURROUGHS, N. et al. Relationship of San Miguel Sea Lion Virus to Other Members of the Calicivirus Group. <i>Intervirology</i> 10, 51-59 (1978).	T ²
	101	LONG, G.G. et al. Naturally Occurring Picornavirus Infection of Domestic Mink. <i>Canadian Journal of Comparative Medicine</i> 44, 412-417 (1980).	
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	110	DICK, C.P. et al. Sites of Persistence of Feline Calicivirus. <i>Research in Veterinary Science</i> 47, 367-373 (1989).	

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	111	SMITH, A.W. et al. Calicivirus Isolation and Persistence in a Pygmy Chimpanzee (<i>Pan paniscus</i>). <i>Science</i> 221, 79-81 (1983).			
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	122	JOHNSON, P.C. et al. Multiple-Challenge Study of Host Susceptibility to Norwalk Gastroenteritis in US Adults. <i>The Journal of Infectious Diseases</i> 161, 18-21 (1990).		
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	131	TACKET, C.O. et al. Human Immune Responses to a Novel Norwalk Virus Vaccine Delivered in Transgenic Potatoes. <i>The Journal of Infectious Diseases</i> 182, 302-305 (2000).		
	132	KNOWLES, J.O. et al. Studies on the Role of Feline Calicivirus in Chronic Stomatitis in Cats. <i>Veterinary Microbiology</i> 27, 205-240 (1991).		

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	134	GASKELL, C.J. et al. Efficacy of an Inactivated Feline Calicivirus (FCV) Vaccine Against Challenge with United Kingdom Field Strains and Its Interaction with the FCV Carrier State. Research in Veterinary Science 32, 23-26 (1982).		
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	144	POLIC, B. et al. Hierarchical and Redundant Lymphocyte Subset Control Precludes Cytomegalovirus Replication During Latent Infection. <i>J. Exp. Med</i> 188, 1047-1054 (1998).		
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	154	MACPHERSON, A.J. et al. IgA Production Without mu or delta Chain Expression in Developing B Cells. <i>Nature Immunology</i> 2, 625-631 (2001).		

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	155	CHAN, O.T. et al. A Novel Mouse with B Cells But Lacking Serum Antibody Reveals an Antibody-Independent Role for B Cells in Murine Lupus. <i>J. Exp. Med.</i> 189, 1639-1647 (1999).		
	156	RAMAKRISHNA, C. et al. Mechanisms of Central Nervous System Viral Persistence: The Critical Role of Antibody and B Cells. <i>The Journal of Immunology</i> 168, 1204-1211 (2002).		
	157	BERGMANN, C.C. et al. Impaired T Cell Immunity in B-Cell-Deficient Mice Following Viral Central Nervous System Infection. <i>The Journal of Immunology</i> 167, 1575-1583 (2001).		
	158	Mayo, M.A. A Summary of Taxonomic Changes Recently Approved by ICTV. <i>Archives of Virology</i> 147, 1655-1656 (2002).		
	159	Hutson, A.M. et al. Norwalk Virus Infection and Disease Is Associated with ABO Histo-Blood Group Type. <i>The Journal of Infectious Diseases</i> 185, 1335-1337.		

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